

Timothy J Brennan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

5,845
citations

40
h-index

75
g-index

120
ext. papers

6,444
ext. citations

4.7
avg, IF

5.71
L-index

#	Paper	IF	Citations
112	AAAPT Diagnostic Criteria for Acute Thoracic Surgery Pain. <i>Journal of Pain</i> , 2021 , 22, 892-904	5.2	1
111	Movement-Evoked Pain Versus Pain at Rest in Postsurgical Clinical Trials and Meta-Analyses: Protocol for a Follow-Up Systematic Review. <i>JMIR Research Protocols</i> , 2020 , 9, e15309	2	2
110	Preoperative Patient Expectations of Postoperative Pain Are Associated with Moderate to Severe Acute Pain After VATS. <i>Pain Medicine</i> , 2019 , 20, 543-554	2.8	21
109	Deep Tissue Incision Enhances Spinal Dorsal Horn Neuron Activity During Static Isometric Muscle Contraction in Rats. <i>Journal of Pain</i> , 2019 , 20, 301-314	5.2	2
108	In Reply. <i>Anesthesiology</i> , 2018 , 128, 225	4.3	
107	Effect of Thoracic Epidural Anesthesia in a Rat Model of Phrenic Motor Inhibition after Upper Abdominal Surgery. <i>Anesthesiology</i> , 2018 , 129, 791-807	4.3	1
106	Ovine model of neuropathic pain for assessing mechanisms of spinal cord stimulation therapy via dorsal horn recordings, von Frey filaments, and gait analysis. <i>Journal of Pain Research</i> , 2018 , 11, 1147-1162	2.9	9
105	Pain after surgery. <i>Pain</i> , 2018 , 159, 1010-1011	8	11
104	The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions. <i>Pain Medicine</i> , 2017 , 18, 947-958	2.8	27
103	A Prospective Study of Chronic Pain after Thoracic Surgery. <i>Anesthesiology</i> , 2017 , 126, 938-951	4.3	98
102	The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions. <i>Journal of Pain</i> , 2017 , 18, 479-489	5.2	31
101	Response to "Editorial on pain following thoracic surgery". <i>Journal of Thoracic Disease</i> , 2017 , 9, E1154-E1155	1.65	
100	Response to "VATS thoracotomy regarding postoperative chronic pain". <i>Journal of Thoracic Disease</i> , 2017 , 9, E1151-E1153	2.6	1
99	Hydrogen Peroxide Induces Muscle Nociception via Transient Receptor Potential Ankyrin 1 Receptors. <i>Anesthesiology</i> , 2017 , 127, 695-708	4.3	14
98	Muscle Reactive Oxygen Species (ROS) Contribute to Post-Incisional Guarding via the TRPA1 Receptor. <i>PLoS ONE</i> , 2017 , 12, e0170410	3.7	19
97	Pain-Related Limitations in Daily Activities Following Thoracic Surgery in a United States Population. <i>Pain Physician</i> , 2017 , 20, E367-E378	1.8	6
96	Comparison of Conventional and Kilohertz Frequency Epidural Stimulation in Patients Undergoing Trialing for Spinal Cord Stimulation: Clinical Considerations. <i>World Neurosurgery</i> , 2016 , 88, 586-591	2.1	10

95	Research Gaps in Practice Guidelines for Acute Postoperative Pain Management in Adults: Findings From a Review of the Evidence for an American Pain Society Clinical Practice Guideline. <i>Journal of Pain</i> , 2016 , 17, 158-66	5.2	83
94	Mechanisms of postoperative pain. <i>Anesthesia and Pain Medicine</i> , 2016 , 11, 236-248	0.3	10
93	An Evaluation of Factors Related to Postoperative Pain Control in Burn Patients. <i>Journal of Burn Care and Research</i> , 2015 , 36, 580-6	0.8	15
92	Conditioned place preference and spontaneous dorsal horn neuron activity in chronic constriction injury model in rats. <i>Pain</i> , 2015 , 156, 2562-2571	8	15
91	A Comparison of 2 Ultrasound-Guided Approaches to the Saphenous Nerve Block: Adductor Canal Versus Distal Transarterial: A Prospective, Randomized, Blinded, Noninferiority Trial. <i>Regional Anesthesia and Pain Medicine</i> , 2015 , 40, 623-30	3.4	14
90	Incidence and severity of chronic pain at 3 and 6 months after thoracotomy: meta-analysis. <i>Journal of Pain</i> , 2014 , 15, 887-97	5.2	91
89	Is second pain worse than the first?. <i>Pain</i> , 2014 , 155, 2-3	8	1
88	Single intrathecal administration of the transcription factor decoy AYX1 prevents acute and chronic pain after incisional, inflammatory, or neuropathic injury. <i>Pain</i> , 2014 , 155, 322-333	8	29
87	Revisiting intradural spinal cord stimulation: an introduction to a novel intradural spinal cord stimulation device. <i>Innovative Neurosurgery</i> , 2014 , 2,		8
86	Wound hypoxia in deep tissue after incision in rats. <i>Wound Repair and Regeneration</i> , 2013 , 21, 730-9	3.6	26
85	Successful conservative management of an intrathecal catheter-associated inflammatory mass. <i>Spine Journal</i> , 2013 , 13, 1708-9	4	
84	Neuropeptide Y is analgesic in rats after plantar incision. <i>European Journal of Pharmacology</i> , 2013 , 698, 206-12	5.3	17
83	Transesophageal echocardiography: a novel technique for guidance and placement of an epidural catheter in infants. <i>Anesthesiology</i> , 2013 , 118, 219-22	4.3	14
82	Effect of deep tissue incision on pH responses of afferent fibers and dorsal root ganglia innervating muscle. <i>Anesthesiology</i> , 2013 , 119, 1186-97	4.3	13
81	Simultaneous disruption of mouse ASIC1a, ASIC2 and ASIC3 genes enhances cutaneous mechanosensitivity. <i>PLoS ONE</i> , 2012 , 7, e35225	3.7	52
80	A new device concept for directly modulating spinal cord pathways: initial in vivo experimental results. <i>Physiological Measurement</i> , 2012 , 33, 2003-15	2.9	24
79	Gene expression in skin, muscle, and dorsal root ganglion after plantar incision in the rat. <i>Anesthesiology</i> , 2012 , 117, 161-72	4.3	41
78	Evaluation of leukemia inhibitory factor (LIF) in a rat model of postoperative pain. <i>Journal of Pain</i> , 2011 , 12, 819-32	5.2	11

77	The pathophysiology of acute pain: animal models. <i>Current Opinion in Anaesthesiology</i> , 2011 , 24, 508-14	2.9	39
76	Thoracic epidural analgesia and acute pain management. <i>Anesthesiology</i> , 2011 , 115, 181-8	4.3	118
75	Pathophysiology of postoperative pain. <i>Pain</i> , 2011 , 152, S33-S40	8	127
74	Increased local concentration of complement C5a contributes to incisional pain in mice. <i>Journal of Neuroinflammation</i> , 2011 , 8, 80	10.1	37
73	Animal Models of Postoperative Pain. <i>Neuromethods</i> , 2011 , 181-200	0.4	1
72	Guarding pain and spontaneous activity of nociceptors after skin versus skin plus deep tissue incision. <i>Anesthesiology</i> , 2010 , 112, 153-64	4.3	108
71	Acute Pain. <i>Refresher Courses in Anesthesiology</i> , 2010 , 38, 8-15		1
70	Continuous cervical paravertebral catheter knot. <i>Journal of Clinical Anesthesia</i> , 2010 , 22, 135-8	1.9	2
69	Effect of capsaicin treatment on nociceptors in rat glabrous skin one day after plantar incision. <i>Pain</i> , 2010 , 148, 128-140	8	30
68	Nociceptive sensitization by complement C5a and C3a in mouse. <i>Pain</i> , 2010 , 148, 343-352	8	48
67	Increased sensitivity of group III and group IV afferents from incised muscle in vitro. <i>Pain</i> , 2010 , 151, 744-755	8	19
66	Expression profile of nerve growth factor after muscle incision in the rat. <i>Anesthesiology</i> , 2009 , 110, 140-43	4.3	57
65	Ketoprofen produces modality-specific inhibition of pain behaviors in rats after plantar incision. <i>Anesthesia and Analgesia</i> , 2009 , 109, 1992-9	3.9	23
64	Separate groups of dorsal horn neurons transmit spontaneous activity and mechanosensitivity one day after plantar incision. <i>European Journal of Pain</i> , 2009 , 13, 820-8	3.7	21
63	Trpv1 mediates spontaneous firing and heat sensitization of cutaneous primary afferents after plantar incision. <i>Pain</i> , 2009 , 141, 41-51	8	43
62	Comparison of skin incision vs. skin plus deep tissue incision on ongoing pain and spontaneous activity in dorsal horn neurons. <i>Pain</i> , 2009 , 144, 329-339	8	77
61	Perioperative Medicine in the United States. <i>Perioperative Medizin</i> , 2009 , 1, 211-216		
60	Differential effect of capsaicin treatment on pain-related behaviors after plantar incision. <i>Journal of Pain</i> , 2009 , 10, 637-45	5.2	34

59	Prevalence and risk factors predisposing to coagulopathy in patients receiving epidural analgesia for hepatic surgery. <i>Regional Anesthesia and Pain Medicine</i> , 2009 , 34, 308-11	3-4	37
58	Chemosensitivity and mechanosensitivity of nociceptors from incised rat hindpaw skin. <i>Anesthesiology</i> , 2009 , 111, 155-64	4-3	18
57	Pain assessment, sedation, and analgesic administration in the intensive care unit. <i>Anesthesiology</i> , 2009 , 111, 1187-8	4-3	12
56	Hind paw incision in the rat produces long-lasting colon hypersensitivity. <i>Journal of Pain</i> , 2008 , 9, 246-53	5-2	27
55	Sensitization of primary afferents to mechanical and heat stimuli after incision in a novel in vitro mouse glabrous skin-nerve preparation. <i>Pain</i> , 2008 , 138, 380-391	8	42
54	Perioperative pain management in the opioid-tolerant individual. <i>Journal of Pain</i> , 2008 , 9, 383-7	5-2	10
53	2007 in review: a dozen steps forward in Anesthesiology. <i>Anesthesiology</i> , 2008 , 108, 149-55	4-3	
52	Effect of AMG0347, a transient receptor potential type V1 receptor antagonist, and morphine on pain behavior after plantar incision. <i>Anesthesiology</i> , 2008 , 108, 1100-8	4-3	41
51	2008 in review: advancing medicine in anesthesiology. <i>Anesthesiology</i> , 2008 , 109, 962-72	4-3	
50	Lactate concentrations in incisions indicate ischemic-like conditions may contribute to postoperative pain. <i>Journal of Pain</i> , 2007 , 8, 59-66	5-2	54
49	Postoperative pain--clinical implications of basic research. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2007 , 21, 3-13	4	55
48	Epidural tezampanel, an AMPA/kainate receptor antagonist, produces postoperative analgesia in rats. <i>Anesthesia and Analgesia</i> , 2007 , 105, 1152-9, table of contents	3-9	22
47	Nerve growth factor expression after plantar incision in the rat. <i>Anesthesiology</i> , 2007 , 107, 128-35	4-3	66
46	Anesthesiology and the press. <i>Anesthesiology</i> , 2007 , 107, 8	4-3	1
45	The effect of the AMPA/kainate receptor antagonist LY293558 in a rat model of postoperative pain. <i>Journal of Pain</i> , 2006 , 7, 768-77	5-2	34
44	Thermoregulatory behavior is disrupted in rats with lesions of the anteroventral third ventricular area (AV3V). <i>Physiology and Behavior</i> , 2006 , 87, 493-9	3-5	10
43	Strain and sex influence on pain sensitivity after plantar incision in the mouse. <i>Anesthesiology</i> , 2006 , 105, 1246-53	4-3	64
42	Sensory systems 2006 , 257-266		

41	Spinal administration of MK-801 and NBQX demonstrates NMDA-independent dorsal horn sensitization in incisional pain. <i>Pain</i> , 2005 , 114, 499-510	8	58
40	Increased nerve growth factor after rat plantar incision contributes to guarding behavior and heat hyperalgesia. <i>Pain</i> , 2005 , 117, 68-76	8	79
39	Immediate early genes after pulsed radiofrequency treatment: neurobiology in need of clinical trials. <i>Anesthesiology</i> , 2005 , 102, 1-3	4-3	45
38	Incisional sensitivity and pain measurements: dissecting mechanisms for postoperative pain. <i>Anesthesiology</i> , 2005 , 103, 3-4	4-3	22
37	Preventive analgesia to reduce wound hyperalgesia and persistent postsurgical pain: not an easy path. <i>Anesthesiology</i> , 2005 , 103, 681-3	4-3	87
36	Mechanisms of incisional pain. <i>Anesthesiology Clinics</i> , 2005 , 23, 1-20		114
35	The ion channel ASIC1 contributes to visceral but not cutaneous mechanoreceptor function. <i>Gastroenterology</i> , 2004 , 127, 1739-47	13-3	123
34	Effect of blockade of nerve growth factor and tumor necrosis factor on pain behaviors after plantar incision. <i>Journal of Pain</i> , 2004 , 5, 157-63	5-2	74
33	A rat model of postoperative pain. <i>Current Protocols in Pharmacology</i> , 2004 , Chapter 5, Unit 5.34	4-1	2
32	Spontaneous discharge and increased heat sensitivity of rat C-fiber nociceptors are present in vitro after plantar incision. <i>Pain</i> , 2004 , 112, 204-13	8	50
31	Bradykinin antagonists have no analgesic effect on incisional pain. <i>Anesthesia and Analgesia</i> , 2004 , 99, 1166-1172	3-9	20
30	Changes in tissue pH and temperature after incision indicate acidosis may contribute to postoperative pain. <i>Anesthesiology</i> , 2004 , 101, 468-75	4-3	139
29	Opioids: more to learn, improvements to be made. <i>Anesthesiology</i> , 2003 , 98, 1309-12	4-3	11
28	Spinal glutamate receptor antagonists differentiate primary and secondary mechanical hyperalgesia caused by incision. <i>Pain</i> , 2003 , 105, 97-107	8	58
27	Persistent secondary hyperalgesia after gastrocnemius incision in the rat. <i>European Journal of Pain</i> , 2002 , 6, 295-305	3-7	44
26	A-317491, a novel potent and selective non-nucleotide antagonist of P2X3 and P2X2/3 receptors, reduces chronic inflammatory and neuropathic pain in the rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 17179-84	11-5	390
25	Effect of intrathecal non-NMDA EAA receptor antagonist LY293558 in rats: a new class of drugs for spinal anesthesia. <i>Anesthesiology</i> , 2002 , 97, 177-82	4-3	11
24	Acute effect of an incision on mechanosensitive afferents in the plantar rat hindpaw. <i>Journal of Neurophysiology</i> , 2002 , 87, 712-20	3-2	66

23	Characterization of Adelta- and C-fibers innervating the plantar rat hindpaw one day after an incision. <i>Journal of Neurophysiology</i> , 2002 , 87, 721-31	3.2	160
22	Mechanisms for Pain Caused by Incisions. <i>Regional Anesthesia and Pain Medicine</i> , 2002 , 27, 514-516	3.4	18
21	Role of the rostral medial medulla in the development of primary and secondary hyperalgesia after incision in the rat. <i>Anesthesiology</i> , 2002 , 96, 1153-60	4.3	22
20	Effect of plantar local anesthetic injection on dorsal horn neuron activity and pain behaviors caused by incision. <i>Pain</i> , 2002 , 97, 151-61	8	60
19	Excitatory amino acid release in the spinal cord caused by plantar incision in the rat. <i>Pain</i> , 2002 , 100, 65-76	8	61
18	Mechanisms for pain caused by incisions. <i>Regional Anesthesia and Pain Medicine</i> , 2002 , 27, 514-6	3.4	17
17	Frontiers in translational research: the etiology of incisional and postoperative pain. <i>Anesthesiology</i> , 2002 , 97, 535-7	4.3	31
16	The DRASIC cation channel contributes to the detection of cutaneous touch and acid stimuli in mice. <i>Neuron</i> , 2001 , 32, 1071-83	13.9	512
15	The mammalian sodium channel BNC1 is required for normal touch sensation. <i>Nature</i> , 2000 , 407, 1007-11	10.4	414
14	Lumbar catheterization of the subarachnoid space with a 32-gauge polyurethane catheter in the rat. <i>European Journal of Pain</i> , 2000 , 4, 111-3	3.7	71
13	Preemptive analgesia: Moving beyond conventional strategies and confusing terminology. <i>Journal of Pain</i> , 2000 , 1, 77-84	5.2	17
12	Analgesic treatment before incision compared with treatment after incision provides no improvement in postoperative pain relief. <i>Journal of Pain</i> , 2000 , 1, 96-98	5.2	7
11	Effect of intrathecal ACEA-1021 in a rat model for postoperative pain. <i>Journal of Pain</i> , 2000 , 1, 279-84	5.2	5
10	Postoperative Models of Nociception. <i>ILAR Journal</i> , 1999 , 40, 129-136	1.7	31
9	Intrathecal non-NMDA excitatory amino acid receptor antagonists inhibit pain behaviors in a rat model of postoperative pain. <i>Pain</i> , 1998 , 74, 213-23	8	103
8	Intrathecal Metabotropic Glutamate Receptor Antagonists Do Not Decrease Mechanical Hyperalgesia in a Rat Model of Postoperative Pain. <i>Anesthesia and Analgesia</i> , 1998 , 87, 1354-1359	3.9	14
7	Intrathecal Metabotropic Glutamate Receptor Antagonists Do Not Decrease Mechanical Hyperalgesia in a Rat Model of Postoperative Pain. <i>Anesthesia and Analgesia</i> , 1998 , 87, 1354-1359	3.9	19
6	Characterization of a rat model of incisional pain. <i>Pain</i> , 1996 , 64, 493-502	8	755

- 5 Reflex sympathetic dystrophy after a minor electric shock. *Journal of Emergency Medicine*, **1993**, 11, 393-65 16
- 4 Inhibition of cardiopulmonary input to thoracic spinothalamic tract cells by stimulation of the subcoeruleus-parabrachial region in the primate. *Journal of the Autonomic Nervous System*, **1987**, 18, 61-72 18
- 3 Effects of stimulating the subcoeruleus-parabrachial region on the non-noxious and noxious responses of T1-T5 spinothalamic tract neurons in the primate. *Brain Research*, **1987**, 409, 19-30 3.7 58
- 2 GABA agonists inhibit the vasopressin-dependent pressor effects of central angiotensin II. *Neuroendocrinology*, **1984**, 39, 429-36 5.6 19
- 1 GABA inhibition of central angiotensin II and hypertonic CSF pressor responses. *Brain Research*, **1983**, 267, 261-9 3.7 25